

1       1.    A method comprising:  
2            optically isolating a radio frequency component  
3   from a lower frequency component of a transceiver.

1       2.    The method of claim 1 including optically  
2 isolating a radio frequency power amplifier.

1       3.    The method of claim 1 including optically  
2 isolating a low noise amplifier.

1       4.    The method of claim 1 further including optically  
2 isolating frequency conversion stages.

1       5.    The method of claim 1 including linking the radio  
2 frequency component and lower frequency component with an  
3 optical waveguide.

1       6.    The method of claim 1 including converting a  
2 radio frequency signal to an optical signal using a laser.

1       7.    The method of claim 1 including optically  
2 isolating the radio frequency component from a baseband  
3 component.

1       8.   The method of claim 1 including optically  
2 isolating the radio frequency component from an  
3 intermediate frequency component.

1       9.   A wireless device comprising:  
2            a radio frequency component;  
3            a lower frequency component to operate at a  
4 frequency lower than radio frequency; and  
5            an optical link to link said components.

1       10.   The device of claim 9 wherein said radio  
2 frequency component is a power amplifier.

1       11.   The device of claim 9 wherein said radio  
2 frequency component is a low noise amplifier.

1       12.   The device of claim 9 including a receiver.

1       13.   The device of claim 9 including a transmitter.

1       14.   The device of claim 9 including two frequency  
2 conversion stages and an optical isolator between said  
3 stages.

1       15.   The device of claim 9 wherein said lower  
2 frequency component is a baseband component.

1       16. The device of claim 9 wherein said lower  
2 frequency component is an intermediate frequency component.

1       17. A system comprising:  
2            a controller;  
3            a radio frequency component;  
4            a lower frequency component;  
5            an optical link to link said components; and  
6            a wireless interface coupled to said radio  
7 frequency component.

1       18. The system of claim 17 wherein said radio  
2 frequency component is a power amplifier.

1       19. The system of claim 17 wherein said radio  
2 frequency component is a low noise amplifier.

1       20. The system of claim 17 further including two  
2 frequency conversion stages and an optical isolator between  
3 said stages.

1       21. The system of claim 17 including a receiver.

1       22. The system of claim 17 including a transmitter.

1           23. The system of claim 17 wherein said lower  
2 frequency component is a baseband component.

1           24. The system of claim 17 wherein said lower  
2 frequency component is an intermediate frequency component.

1           25. The system of claim 17 wherein said wireless  
2 interface is a dipole antenna.